

What is claimed is:

1. A cassette, comprising:

a front assembly;

a back assembly arranged to be opposite to the front assembly, a radiographic imaging means being put in a space between the front assembly and the back assembly;

a frame member formed in a frame in outline, arranged in at least one of the front assembly and the back assembly and having a cut-out opening or a through hole; and

a high rigid member arranged in an area near to the cut-out opening or the through hole of the frame member.

2. The cassette of claim 1; wherein a lock pin is arranged in at least one of the front assembly and the back assembly to be movable into the cut-out opening or the through hole, and the front assembly and the back assembly can be set to a lock on state or a lock off state by the lock pin.

3. The cassette of claim 1; wherein a lock mechanism is arranged to be operable through the cut-out opening or the through hole, and the front assembly and the back assembly can be set to a lock on state or a lock off state by the lock mechanism.

4. The cassette of claim 2; wherein the front

assembly and the back assembly are detachable from each other in the lock off state of the front assembly and the back assembly.

5. The cassette of claim 4; wherein a concavity is arranged in at least one of the front assembly and the back assembly, a light shielding protrusion put into the concavity is arranged in the other one of the front assembly and the back assembly, and the front assembly and the back assembly cover the radiographic imaging means put in the space between the front assembly and the back assembly so as to prevent light when the front assembly and the back assembly are combined with each other.

6. The cassette of claim 1; wherein a magnetic member attracting the front assembly by magnetic force is arranged in the back assembly.

7. The cassette of claim 1; wherein length of the high rigid member is equal to or lower than half of length of one side of the frame member.

8. The cassette of claim 1; wherein both the frame member and at least one of a front face plate of the front assembly and a rear surface of the back assembly be a lightweight member having rigid lower than rigid of the

high rigid member.

9. The cassette of claim 8; wherein the lightweight member is made of one of aluminum material, carbon-fiber reinforced resin and resin material.

10. The cassette of claim 1; wherein the high rigid member is made of steel material.

11. The cassette of claim 10; wherein the high rigid member is made of steel material highly strengthened due to heat treatment.

12. The cassette of claim 1; wherein the high rigid member is made of engineering plastics or super engineering plastics

13. The cassette of claim 1; wherein the radiographic imaging means adheres to the back assembly possible recovering.

14. The cassette of claim 1; wherein the radiographic imaging means includes a phosphor.

15. The cassette of claim 14; wherein the radiographic imaging means is a stimulable phosphor plate.